

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: February 16, 2005, 16:26:39 ; Search time 55.5308 Seconds  
(without alignments)  
2235.960 Million cell updates/sec

Title: US-10-003-356-5

Perfect score: 1986

Sequence: 1 LPHSVCTDVCPTGRTGFGVQ.....TVSTVLDDRLVYMCLKLQ 380

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1376875 seqs, 326749119 residues

Total number of hits satisfying chosen parameters: 1376875

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

.Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
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- 10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10D\_PUBCOMB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US11\_NEW\_PUB.pep.\*
- 19: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 20: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	1986	100.0	380	13	US-10-003-356-5
2	1986	100.0	927	13	US-10-003-356-8
3	1906	96.0	755	15	US-10-292-798-450
4	1749	88.1	365	14	US-10-017-161-510
5	1749	88.1	365	15	US-10-343-650A-52
6	1444	72.7	912	15	US-10-436-715-84
7	796.5	40.1	835	14	US-10-151-208-7
8	787.5	39.7	848	15	US-10-436-715-34
9	787.5	39.7	848	15	US-10-436-715-78
10	783.5	39.5	851	14	US-10-151-208-12
11	771.5	38.8	856	14	US-10-151-208-8
12	769.5	38.7	844	15	US-10-436-715-33
13	769.5	38.7	844	15	US-10-436-715-77

14	760.5	38.3	854	14	US-10-151-208-10
15	753.5	37.9	880	15	US-10-436-715-31
16	753.5	37.9	880	15	US-10-436-715-81
17	751	37.8	875	15	US-10-436-715-32
18	751	37.8	875	15	US-10-436-715-83
19	747	37.6	856	15	US-10-436-715-30
20	747	37.6	856	15	US-10-436-715-79
21	736.5	37.1	1027	14	US-10-125-792-2
22	736.5	37.1	1027	14	US-10-125-792-2
23	736.5	37.1	1027	14	US-10-268-051-8
24	736.5	37.1	1027	14	US-10-125-792-2
25	736.5	37.1	1027	14	US-10-016-486-2
26	736.5	37.1	1027	15	US-10-410-885-2
27	722	36.4	864	15	US-10-436-715-29
28	714.5	36.0	1002	15	US-10-393-347-3
29	714.5	36.0	1079	14	US-10-159-339-9
30	714.5	36.0	1079	15	US-10-436-715-23
31	714.5	36.0	1079	15	US-10-436-715-23
32	714.5	36.0	1079	15	US-10-436-715-24
33	714.5	36.0	1079	15	US-10-436-715-72
34	714.5	36.0	1079	15	US-10-436-715-73
35	714.5	36.0	1079	15	US-10-673-888-2
36	711.5	35.8	1078	13	US-10-002-854-2
37	711.5	35.8	1078	14	US-10-225-567A-118
38	711.5	35.8	1078	14	US-10-159-339-8
39	711.5	35.8	1078	15	US-10-436-715-22
40	711.5	35.8	1078	15	US-10-436-715-74
41	711.5	35.8	1078	15	US-10-416-588-3
42	711.5	35.8	1078	16	US-10-408-765A-171
43	711.5	35.8	1088	15	US-10-673-888-1
44	709.5	35.7	1078	9	US-09-727-205-2
45	709.5	35.7	1085	14	US-10-159-339-10

ALIGNMENTS

RESULT 1

US-10-003-356-5  
; Sequence 5, Application US/10003356  
; Publication No. US20020146418A1  
; GENERAL INFORMATION:  
; APPLICANT: Lok, Si  
; TITLE OF INVENTION: Human V2 Vomerolnasal Receptor  
; FILE REFERENCE: 00-107  
; CURRENT APPLICATION NUMBER: US/10/003,356  
; CURRENT FILING DATE: 2001-11-15  
; PRIOR APPLICATION NUMBER: 60/252,373  
; PRIOR FILING DATE: 2000-11-21  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 380  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-003-356-5

Query Match	100.0%;	Score 1986;	DB 13;	Length 380;
Best Local Similarity	100.0%;	Pred. No. 2.7e-171;		
Matches 380;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	LPHSVCTDVCPTGRTGFGVQREPICCFDSIPCADGHVSRKPGERECEQCGEDYWSNAQKS	60	
Db	1	LPHSVCTDVCPTGRTGFGVQREPICCFDSIPCADGHVSRKPGERECEQCGEDYWSNAQKS	60	
QY	61	ECVLKEVEYLAYDEALGFTLVLSVFGAFVLAATVAVYVHRRHTPLVNASDQGLFLIQV	120	
Db	61	ECVLKEVEYLAYDEALGFTLVLSVFGAFVLAATVAVYVHRRHTPLVNASDQGLFLIQV	120	
QY	121	SLIIMLLSSMLFIDKPHNWSMAGQVTLALGFSCLSLGKTSLSFLAYRISKSTQLT	180	
Db	121	SLIIMLLSSMLFIDKPHNWSMAGQVTLALGFSCLSLGKTSLSFLAYRISKSTQLT	180	

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RESULT 3
US-10-292-798-450
; Sequence 450, Application US/10292798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIHO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 450
; LENGTH: 755
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-292-798-450

Query Match 96.0%; Score 1906; DB 15; Length 755;
Best Local Similarity 99.7%; Pred. No. 1.1e-163;
Matches 367; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 13 GTGFGVQREPICCFDPSIPCADGHVSRKPGERECEOCGEDYWSNAQKSECVLKXEVEYLAY 72
DB 388 GUGRFGVQREPICCFDPSIPCADGHVSRKPGERECEOCGEDYWSNAQKSECVLKXEVEYLAY 447

QY 73 DEALGFTLVLSVFGAFVVLAVTVVVIHRHTPLVNASDWQLGFLIQVSLIIMLLSSMLF 132
DB 448 DEALGFTLVLSVFGAFVVLAVTVVVIHRHTPLVNASDWQLGFLIQVSLIIMLLSSMLF 507

QY 133 IDKPHNWSCWAGQVTLALGFSCLCLGKTSLSFLAYRISKSKTOLTSMHPLYRKLIIVL 192
DB 508 IDKPHNWSCWAGQVTLALGFSCLCLGKTSLSFLAYRISKSKTOLTSMHPLYRKLIIVL 567

QY 193 ISVLAEIGICTAYLILLEPPMVYKNMESQNTKIILGCNEISIEFLYSMFGIDAFIALICFL 252
DB 568 ISVLAEIGICTAYLILLEPPMVYKNMESQNTKIILGCNEISIEFLYSMFGIDAFIALICFL 627

QY 253 TTFVARQLPDNYEGKCIIFGMLVFPFIINWSFVPVYLSTGKFKMAVEIFAILASSHGILL 312
DB 628 TTFVARQLPDNYEGKCIIFGMLVFPFIINWSFVPVYLSTGKFKMAVEIFAILASSHGILL 687

QY 313 GCIFAPKCLILLRPERNTSEIVCGRVSTTDNCIQLTSAFVSSELNNTTSTVLDLDRVLI 372
DB 688 GCIFAPKCLILLRPERNTSEIVCGRVSTTDNCIQLTSAFVSSELNNTTSTVLDLDRVLI 747

QY 373 YMCPLKLIQ 380
DB 748 YMCPLKLIQ 755

RESULT 4
US-10-017-161-510
; Sequence 510, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIHO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789

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181	SMHPLYRKIIIVLSVLAIEIGICTAYLII	LEPPMVYKNMESQNTKIILGCNEISIEFLYSMF	240
	Db		
181	SMHPLYRKIIIVLSVLAIEIGICTAYLII	LEPPMVYKNMESQNTKIILGCNEISIEFLYSMF	240
	Db		
241	GIDAFALALICFLTTFVARQLPDNYEY	GKCIITFGMLVFFLIWNMSFVPVYLS	300
	Db		
241	GIDAFALALICFLTTFVARQLPDNYEY	GKCIITFGMLVFFLIWNMSFVPVYLS	300
	Db		
301	IFAILASSHGLLGCIIPAKCLIIILRP	ERTNTSEIVCGRVSTTDCNICTQ	360
	Db		
301	IFAILASSHGLLGCIIPAKCLIIILRP	ERTNTSEIVCGRVSTTDCNICTQ	360
	Db		
361	TVSTVLD	DRVLIYMCPLKIQ 380	
	Db		
361	TVSTVLD	DRVLIYMCPLKIQ 380	
	Db		
RESULT 2			
US-10-003-356-8			
; Sequence 8, Application US/10003356			
; Publication No. US20020146419A1			
; GENERAL INFORMATION:			
; APPLICANT: Lok, Si			
; APPLICANT: Holloway, James L.			
; TITLE OF INVENTION: Human V2 Vomeronasal Receptor			
; FILE REFERENCE: 00-107			
; CURRENT APPLICATION NUMBER: US/10/003,356			
; CURRENT FILING DATE: 2001-11-15			
; PRIOR APPLICATION NUMBER: 60/252,373			
; PRIOR FILING DATE: 2000-11-21			
; NUMBER OF SEQ ID NOS: 10			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 8			
; LENGTH: 927			
; TYPE: PRT			
; ORGANISM: Artificial Sequence			
; FEATURE:			
; OTHER INFORMATION: Chimeric receptor.			
US-10-003-356-8			
Query Match 100.0%; Score 1986; DB 13; Length 927;			
Best Local Similarity 100.0%; Pred. No. 8.3e-171;			
Matches 380; Conservative 0; Mismatches 0; Indels 0; Gaps 0			
Qy	1	LPHSVCTDVCPPGTGRGVQREPICCFDSIP	CADGHVSRKPGRECEOCGEDYWSNAOKS 60
Db	548	LPHSVCTDVCPPGTGRGVQREPICCFDSIP	CADGHVSRKPGRECEOCGEDYWSNAOKS 607
Qy	61	ECVLKEVEYLAYDEALGFTLVLSVFGA	FVVLAVTAVYVHRTPLVNASDNLQGLFIQV 120
Db	608	ECVLKEVEYLAYDEALGFTLVLSVFGA	FVVLAVTAVYVHRTPLVNASDNLQGLFIQV 667
Qy	121	SLIIIMLLSSMLFIDKPHNWS	CMAGQVTLAIGFSLICSLGKTS
Db	668	SLIIIMLLSSMLFIDKPHNWS	CMAGQVTLAIGFSLICSLGKTS
Qy	181	SMHPLYRKIIIVLSVLAIEIGICTAYLII	LEPPMVYKNMESQNTKIILGCNEISIEFLYSMF 240
Db	728	SMHPLYRKIIIVLSVLAIEIGICTAYLII	LEPPMVYKNMESQNTKIILGCNEISIEFLYSMF 787
Qy	241	GIDAFALALICFLTTFVARQLPDNYEY	GKCIITFGMLVFFLIWNMSFVPVYLS
Db	788	GIDAFALALICFLTTFVARQLPDNYEY	GKCIITFGMLVFFLIWNMSFVPVYLS
Qy	301	IFAILASSHGLLGCIIPAKCLIIILRP	ERTNTSEIVCGRVSTTDCNICTQ
Db	848	IFAILASSHGLLGCIIPAKCLIIILRP	ERTNTSEIVCGRVSTTDCNICTQ
Qy	361	TVSTVLD	DRVLIYMCPLKIQ 380
Db	908	TVSTVLD	DRVLIYMCPLKIQ 927

;; PRIOR FILING DATE: 2001-06-18  
;; NUMBER OF SEQ ID NOS: 2430  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 510  
;; LENGTH: 365  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-017-161-510

Query Match 88.1%; Score 1749; DB 14; Length 365;  
Best Local Similarity 99.1%; Pred. No. 7.4e-150;  
Matches 341; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 37 VSRKPERCEQCGEDYWSNAQSECVLKEVEYLAYDEALGFTLVILSVFGAFVLAUTA 96  
DB 22 VLRSIGERECEQCGEDYWSNAQSECVLKEVEYLAYDEALGFTLVILSVFGAFVLAUTA 81

QY 97 VYVHRTPLVNASDWQLGFLIQVSLIIMLLSSMLFIDKPHNWSMAGQVTLALGFSCL 156  
DB 82 VYVHRTPLVNASDWQLGFLIQVSLIIMLLSSMLFIDKPHNWSMAGQVTLALGFSCL 141

QY 157 SCLGKTSFLAYRISKSTQTSMPHYRKIIIVLSVLAETIGICTAYLILEPPMVYKN 216  
DB 142 SCLGKTSFLAYRISKSTQTSMPHYRKIIIVLSVLAETIGICTAYLILEPPMVYKN 201

QY 217 MESQNTKIILGCNEISIEFLYSMFGIDAFLLALCFLTTFFVARQLPDNYEGKCIIFGMLV 276  
DB 202 MESQNTKIILGCNEISIEFLYSMFGIDAFLLALCFLTTFFVARQLPDNYEGKCIIFGMLV 261

QY 277 PFIIMSFVPVYLSTKGKPKMAVEIPAILASSHGLGCIAPAKCLIIILRPERNTSEIVC 336  
DB 262 PFIIMSFVPVYLSTKGKPKMAVEIPAILASSHGLGCIAPAKCLIIILRPERNTSEIVC 321

QY 337 GRVSTTDNCIQTSAFVSSELNNTTVSTVLDRLVIMCPLKQ 380  
DB 322 GRVSTTDNCIQTSAFVSSELNNTTVSTVLDRLVIMCPLKQ 365

RESULT 5  
US-10-343-650A-52  
; Sequence 52, Application US/10343650A  
; Publication No. US20040067499A1  
; GENERAL INFORMATION:  
; APPLICANT: HAGA, TATSUYA  
; TITLE OF INVENTION: NOVEL G-PROTEIN COUPLED RECEPTOR  
; FILE REFERENCE: 31671-186347  
; CURRENT APPLICATION NUMBER: US/10/343,650A  
; PRIOR FILING DATE: 2003-07-21  
; PRIOR FILING DATE: 2000-08-04  
; PRIOR FILING DATE: 2000-08-04  
; PRIOR FILING DATE: 2001-02-13  
; NUMBER OF SEQ ID NOS: 694  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 52  
; LENGTH: 365  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-343-650A-52

Query Match 88.1%; Score 1749; DB 15; Length 365;  
Best Local Similarity 99.1%; Pred. No. 7.4e-150;  
Matches 341; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 37 VSRKPERCEQCGEDYWSNAQSECVLKEVEYLAYDEALGFTLVILSVFGAFVLAUTA 96  
DB 22 VLRSIGERECEQCGEDYWSNAQSECVLKEVEYLAYDEALGFTLVILSVFGAFVLAUTA 81

QY 97 VYVHRTPLVNASDWQLGFLIQVSLIIMLLSSMLFIDKPHNWSMAGQVTLALGFSCL 156  
DB 82 VYVHRTPLVNASDWQLGFLIQVSLIIMLLSSMLFIDKPHNWSMAGQVTLALGFSCL 141

QY 157 SCLGKTSFLAYRISKSTQTSMPHYRKIIIVLSVLAETIGICTAYLILEPPMVYKN 216

DB 142 SCLGKTSFLAYRISKSTQTSMPHYRKIIIVLSVLAETIGICTAYLILEPPMVYKN 201

QY 217 MESQNTKIILGCNEISIEFLYSMFGIDAFLLALCFLTTFFVARQLPDNYEGKCIIFGMLV 276

DB 202 MESQNTKIILGCNEISIEFLYSMFGIDAFLLALCFLTTFFVARQLPDNYEGKCIIFGMLV 261

QY 277 PFIIMSFVPVYLSTKGKPKMAVEIPAILASSHGLGCIAPAKCLIIILRPERNTSEIVC 336

DB 262 PFIIMSFVPVYLSTKGKPKMAVEIPAILASSHGLGCIAPAKCLIIILRPERNTSEIVC 321

QY 337 GRVSTTDNCIQTSAFVSSELNNTTVSTVLDRLVIMCPLKQ 380

DB 322 GRVSTTDNCIQTSAFVSSELNNTTVSTVLDRLVIMCPLKQ 365

RESULT 6  
US-10-436-715-84  
; Sequence 84, Application US/10436715  
; Publication No. US20040018976A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,  
; FILE REFERENCE: D0262 NP  
; CURRENT APPLICATION NUMBER: US/10/436,715  
; PRIOR FILING DATE: 2003-05-13  
; PRIOR FILING DATE: 2002-05-14  
; NUMBER OF SEQ ID NOS: 471  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 84  
; LENGTH: 912  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-10-436-715-84

Query Match 72.7%; Score 1444; DB 15; Length 912;  
Best Local Similarity 74.7%; Pred. No. 9.8e-122;  
Matches 274; Conservative 37; Mismatches 56; Indels 0; Gaps 0;

QY 2 PHSVCTDVCPPGTGRGVQREBPCFDSIPCADGHVSRKPGRECEQCGEDYWSNAQSE 61

DB 546 PDSFCTQVCPGTRKGIQGPICFDCIPCADGVSEKSGQRECDPCGEDDWSNAGKSK 605

QY 62 CYLKEVEYLAYDEALGFTLVILSVFGAFVLAUTAVVYVHRTPLVNASDWQLGFLIQVS 121

DB 606 CVPKLVEFLAYGEALGFTLVILSVFGAFVLAUTAVVYVHRTPLVNASDWQLGFLIQVS 665

QY 122 LIIMLLSSMLFIDKPHNWSMAGQVTLALGFSCLSLGKTSFLAYRISKSTQTLTS 181

DB 666 LVITVLSLLFIDKPHNWSMAGQVTLALGFSCLSLGKTSFLAYRISKSTQTLTS 725

QY 182 MHPYRKIIIVLSVLAETIGICTAYLILEPPMVYKNMESQNTKIILGCNEISIEFLYSMFG 241

DB 726 MHPYRKIIIVLSVLAETIGICTAYLILEPPMVYKNMESQNTKIILGCNEISIEFLYSMFG 785

QY 242 IDAFLLALCFLTTFFVARQLPDNYEGKCIIFGMLVFFVIMSFVPAVYLSLTKGKPKMAVEI 301

DB 786 FVILRALLCFLTTFFVARQLPDNYEGKCIIFGMLVFFVIMSFVPAVYLSLTKGKPKMAVEI 845

QY 302 FAILASSHGLGCIAPAKCLIIILRPERNTSEIVCGRVSTTDNCIQTSAFVSSELNNTT 361

DB 846 FAILASSHGLGCIAPAKCLIIILRPERNTSEIVCGRVSTTDNCIQTSAFVSSELNNTT 905

QY 362 VSTVLDD 368

DB 906 VSTVLDE 912

RESULT 7  
US-10-151-208-7  
; Sequence 7, Application US/10151208





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Db 496 PRSACESCPGTRKAAQGRPFCCYDCIPCAEGEISNETRFINCKPCPWEYWSNAEK 555
Qy 62 CVLKEVEYLADEALGFTLVLSVFGAFVAVLVAVVHRHTPLVNASDQWGLFIQVS 121
Db 556 CVLKAVERFLSTEIMGVVLFPSLFGVGLTLLVAILFYNNKOTPMVKANNSLSFLLFS 615
Qy 122 LIIMLLSMLFIDKPHNWSMAGQVTLALGFSICLSCLLGTSSFLAYRISKTKQLTS 181
Db 616 LTLCFLCSLTFIGRPTWSCMLCHTAGITFVLICISVLGKTIIVLMFAFKATIPGNINIK 675
Qy 182 -MHPYRKIIIVLSVLAIEIGICTAYLILEPMPVYKNMESQNTKIIIGCNEISIEFLYSM 240
Db 676 WFGPAQORLSVLAFTLIQVILCVLWLTISPPFPYKNMKYKKEKIIILCSIGSTIGFVAVL 735
Qy 241 GIDAFALLCFLTFVARQLPDNYEGKCTTCGMLVFFIIMWSFVYVLSLTKGKPMAYE 300
Db 736 TYISLLAPLCFILAFPLARTLPDKNEAKFITFSMLIFCAVMITFIPAYVSSPGKFTVAVE 795
Qy 301 IFAILASHGILGICFAPKCLIIILRPERNTSEIVCGRVSTTDCNICQ 347
Db 796 IFAILSSSFGLLFGIFAPKCVIILLLKPEQNTKQHLIGKTASVSLAQ 842

RESULT 13
US-10-436-715-77
; Sequence 77, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
; FILE REFERENCE: D0262 NP
; CURRENT APPLICATION NUMBER: US/10/436,715
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: U.S. 60/380,336
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 471
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 77
; LENGTH: 844
; TYPE: PRT
; ORGANISM: Carassius auratus
US-10-436-715-77

Query Match 38.7%; Score 769.5; DB 15; Length 844;
Best Local Similarity 41.8%; Pred. No. 1.1e-60;
Matches 145; Conservative 72; Mismatches 129; Indels 1; Gaps 1;

Qy 2 PHSVCTDVCPPGTGRGVQREPICCFDSIPCADGHVSRKPGERECEQCGEDYWSNAQKSE 61
Db 496 PRSACESCPGTRKAAQGRPFCCYDCIPCAEGEISNETRFINCKPCPWEYWSNAEK 555
Qy 62 CVLKEVEYLADEALGFTLVLSVFGAFVAVLVAVVHRHTPLVNASDQWGLFIQVS 121
Db 556 CVLKAVERFLSTEIMGVVLFPSLFGVGLTLLVAILFYNNKOTPMVKANNSLSFLLFS 615
Qy 122 LIIMLLSMLFIDKPHNWSMAGQVTLALGFSICLSCLLGTSSFLAYRISKTKQLTS 181
Db 616 LTLCFLCSLTFIGRPTWSCMLCHTAGITFVLICISVLGKTIIVLMFAFKATIPGNINIK 675
Qy 182 -MHPYRKIIIVLSVLAIEIGICTAYLILEPMPVYKNMESQNTKIIIGCNEISIEFLYSM 240
Db 676 WFGPAQORLSVLAFTLIQVILCVLWLTISPPFPYKNMKYKKEKIIILCSIGSTIGFVAVL 735
Qy 241 GIDAFALLCFLTFVARQLPDNYEGKCTTCGMLVFFIIMWSFVYVLSLTKGKPMAYE 300
Db 736 TYISLLAPLCFILAFPLARTLPDKNEAKFITFSMLIFCAVMITFIPAYVSSPGKFTVAVE 795
Qy 301 IFAILASHGILGICFAPKCLIIILRPERNTSEIVCGRVSTTDCNICQ 347
Db 796 IFAILSSSFGLLFGIFAPKCVIILLLKPEQNTKQHLIGKTASVSLAQ 842

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RESULT 14
US-10-151-208-10
; Sequence 10, Application US/10151208
; Publication No. US20030105285A1
; GENERAL INFORMATION:
; APPLICANT: Ngai, John
; APPLICANT: Specia, David J.
; APPLICANT: Lin, David M.
; APPLICANT: Isaacoff, Rhud Y.
; APPLICANT: Dittman, Andrew H.
; APPLICANT: Fan, Jinhong
; TITLE OF INVENTION: Odorant Receptors
; FILE REFERENCE: B99-038-2
; CURRENT APPLICATION NUMBER: US/10/151,208
; CURRENT FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: US/09/619,353
; PRIOR FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/144,766
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 854
; TYPE: PRT
; ORGANISM: Carassius auratus
US-10-151-208-10

Query Match 38.3%; Score 760.5; DB 14; Length 854;
Best Local Similarity 41.5%; Pred. No. 7e-60;
Matches 142; Conservative 68; Mismatches 131; Indels 1; Gaps 1;

Qy 1 LPHSVCTDVCPPGTGRGVQREPICCFDSIPCADGHVSRKPGERECEQCGEDYWSNAQKS 60
Db 511 LFGSVCSSECTGTGRTKTVQKGRPVCCYDCTPCABGEISINSTDSSDFFPCDLEYWSNERSD 570
Qy 61 ECVLKEVEYLADEALGFTLVLSVFGAFVAVLVAVVHRHTPLVNASDQWGLFIQV 120
Db 571 RCVLKVEFLSYTEIMGMVLCIFSPFIVGLLTAMVSFLVHLKETPIVRANNSLSFLLLF 630
Qy 121 LIIMLLSMLFIDKPHNWSMAGQVTLALGFSICLSCLLGTSSFLAYRISKTKQLT 180
Db 631 SLSCFLCSLTFIGRPTWSCMLCHTAGITFVLICISVLGKTIIVLMFAFKATIPGSDVM 690
Qy 181 S-MHPYRKIIIVLSVLAIEIGICTAYLILEPMPVYKNMESQNTKIIIGCNEISIEFLYSM 239
Db 691 KWFPAQORLSVLAFTLIQVILCVLWLTISPPFPYKNLSYREKIIILECNVGSALGFWTV 750
Qy 240 FGIDAFALLCFLTFVARQLPDNYEGKCTTCGMLVFFIIMWSFVYVLSLTKGKPMAY 299
Db 751 LCVTGLLSLCSFLVLAFLARLKPDNFNEAKFITFSMLIFCAVMITFIPAYVSSPGKFTVAV 810
Qy 300 EIPAILASHGILGICFAPKCLIIILRPERNTSEIVCGRVST 341
Db 811 EIFAILVSSFGLLFGIFAPKCVIILLLKPEKNTKQMMGKSST 852

RESULT 15
US-10-436-715-31
; Sequence 31, Application US/10436715
; Publication No. US20040018976A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING NOVEL HUMAN G-PROTEIN COUPLED RECEPTORS,
; FILE REFERENCE: D0262 NP
; CURRENT APPLICATION NUMBER: US/10/436,715
; CURRENT FILING DATE: 2003-05-13
; PRIOR APPLICATION NUMBER: U.S. 60/380,336
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 471
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 880

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; TYPE: PRT
; ORGANISM: Fugu rubripes
US-10-436-715-31

Query Match      37.9%; Score 753.5; DB 15; Length 880;
Best Local Similarity 41.9%; Pred. No. 3.1e-59;
Matches 139; Conservative 69; Mismatches 123; Indels 1; Gaps 1;

QY 1 LPHSVCTDVCPPTGRGFVQREPICCFDSIPCADGHVSRKPGERECEQCCEGYWSNAQKS 60
Db 538 VPLSVCCSSICPPCTRKAIRNYPICCHDCVVCCTAGISNQTDAIECARCLPEFWSNADRT 597
QY 61 ECVLKEVEYLAYDEALGFTLVILSVFGAFVVLAVTAVYVHRTPLVNASDWOLGFLIQV 120
Db 598 ACVPKQVEFLSFGDTTIGIALLVSLIGSFLTCAVALVFFVHRTSPIVRANNSDLSFLLLP 657
QY 121 SLIIMLLSSMLFTDKPHNSCMAGQVTLALGFSCLCLGKTSSFLAYRISKSTQLT 180
Db 658 SLTLCFLCSLTFISPPSQWSCLRHRTAFGITFVLCISCLGKTIVVIMAFRATLPGSDVM 717
QY 181 S-MHPLYRKIIIVLISVLAIGICTAYLILEPPMVYKNMESONTKIIILGCNEISIBFLYSM 239
Db 718 KWFGPKQKAIITFSTLVQVVICVWLIVVAPPTPRQYMPRESAIIILLCEGSTIAFSIV 777
QY 240 FGIDAFIALLCFLTTFVARQLPDNYIEGKCITFGMLVFFIIMNSFVFPVYLSTKGKFMAY 299
Db 778 LGYIGVLACMCFLLAFLLARKLPDNFNENARLIAFSLIFCAVWVAFVPAVYISSPGKYSTLT 837
QY 300 EIFAILASSHGLGCIAPAKCLIIILARPENT 331
Db 838 EIFAILASSYGLIGCIAPAKCYIILMKSEKNT 869
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Search completed: February 16, 2005, 16:41:42  
Job time : 56.5308 secs

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